SONY

3-750-444-21 (1)

Compact Disc Player

COMPACT disc DIGITAL AUDIO

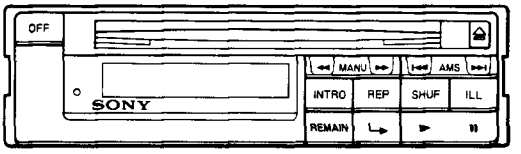
CDX-44

Operating Instructions Page

Before operating the unit, please read this manual thoroughly and retain it for future reference.

Mode d'emploi page

Avant la mise en service de cet appareil, prière de lire attentivement ce mode d'emploi que l'on conservera pour toute référence ultérieure.



For installation and connection, see the supplied installation/connections manual.

En ce qui concerne l'installation et les connexions, se reporter au manuel d'installation/connexions, fourni.

©1989 by Sony Corporation

English

For the Customers in the United States

Owner's Record

The model and serial numbers are located on the top of the unit. Record these numbers in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. CDX-44 Serial No. _____

CAUTION

The use of optical instruments with this product will increase eye hazards.

INFORMATION

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient the receiving antenna.
Relocate the equipment with respect to the receiver.
Move the equipment away from the receiver.
Plug this equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions.
The user may find the following booklet prepared by the Federal Communications Commission helpful:
"How to Identify and Resolve Radio-TV Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4.

Table of Contents

Features ..... ●
Precautions ..... ●
Location of controls ..... ●

Playing a disc ..... ●
Locating a particular selection ..... ●
Locating a particular point in a selection ..... ●
Enjoying the variety of CD playing modes ..... ●
Playing repeatedly
Playing in random order
Playing the first portions of selections

Switching the color of illumination ..... ●
Specifications ..... ●
Maintenance ..... ●
Troubleshooting guide ..... ●

Features

- DIN-sized mobile CD player.
- An 8 cm (3-inch) CD can be played without an adaptor.
- Quick recovery from sound skipping.
  Even if strong vibration causes sound skipping, the player can relocate the point where the play was interrupted.
- Two color variation (amber and green) for the illumination.
- Four times oversampling digital filter for dynamic sound reproduction.

Precautions

- If your car was parked in direct sunlight and there was a considerable rise in temperature inside the car, allow the unit to cool off before operating.
- If no power is being supplied to the unit, check the connections first. If everything is in order, check the fuse.
- As the laser beam used in this compact disc player is harmful to the eyes, do not attempt to disassemble the cabinet. Refer servicing to qualified personnel only.

Notes on moisture condensation

On a rainy day or in a very damp area, moisture may condense on the lenses inside the unit.
Should this occur, the unit will not operate. In this case, remove the disc and wait for about an hour until the moisture evaporates.

If you have any question or problem concerning your unit that is not covered in this manual, please consult your nearest Sony dealer.

Before Operating the Unit for the First Time or After Replacing the Battery

Be sure to press the reset button while holding down the ⏏ and ▶II buttons, then release the reset button first.

Notes on discs

Handle the disc by its edge, and to keep the disc clean, do not touch the surface.

This way

Do not stick paper or tape.

Not this way

Do not expose the disc to direct sunlight or heat sources such as hot air ducts, or leave it in a car parked in direct sunlight where there can be a considerable rise in the temperature.

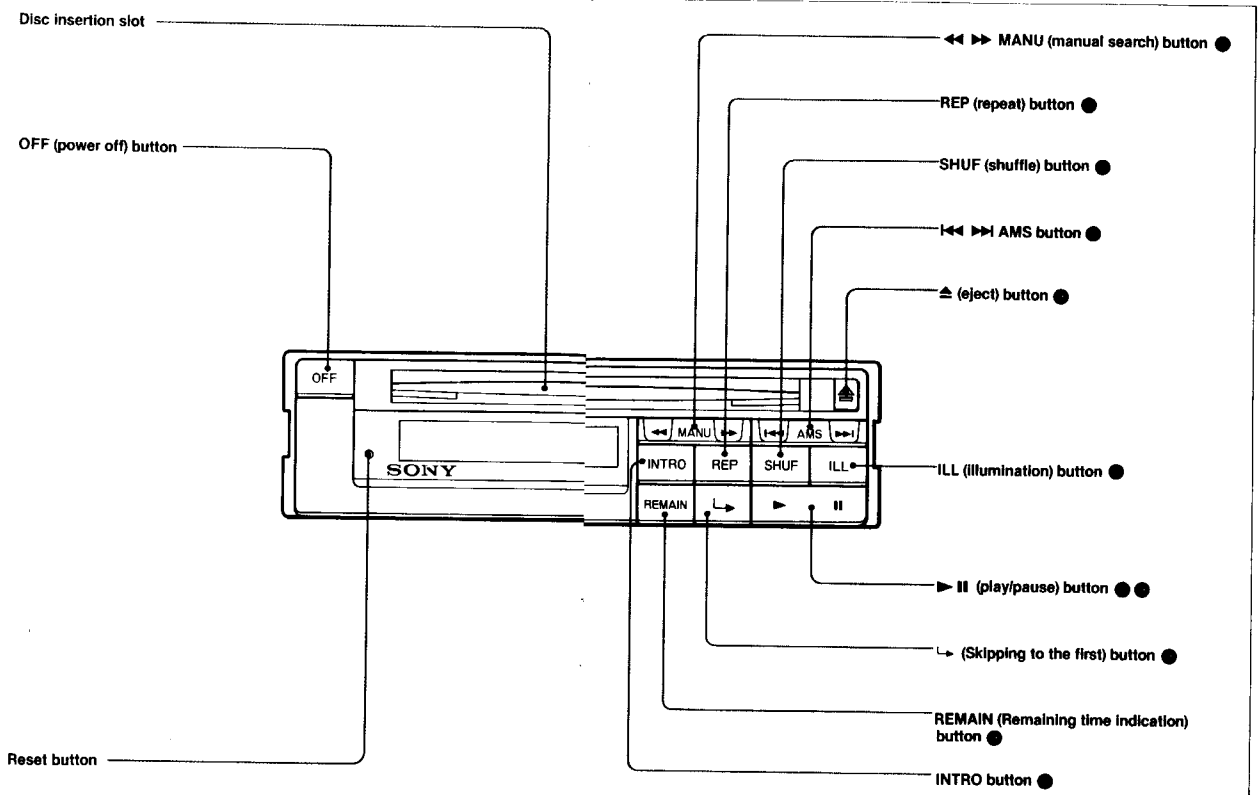
Cleaning discs

Before playing, clean the disc with an optional cleaning cloth.
Wipe the disc in the direction of the arrows.

Do not use solvents such as benzine, thinner, commercially available cleaners or antistatic spray intended for analog discs.

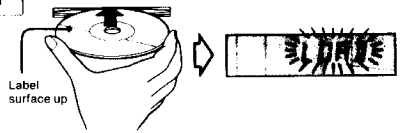
Location of Controls

Refer to the page in ● for details.



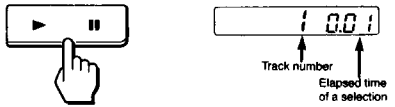
Playing a Disc

1



The disc is loaded into the unit and play will start from the beginning of the disc.

When a disc is already inserted



2

Adjust the volume with the car stereo or other connected units.

A power amplifier is not provided with the CDX-44.

At the end of the disc
The track number indication returns to 1 and play will be repeated from the beginning of the disc.

Notes
- Do not insert a disc with the label surface down. Doing so may damage the unit.
- Do not try to insert another disc when one has been already inserted. Doing so may damage the unit.

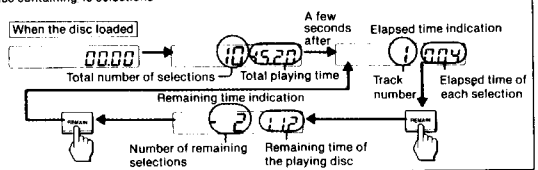
To stop during play	Press OFF or ► II. To restart playing from the same point, press ► II.
To go back to the first selection during play	Press ⌊► during play.
To remove the disc	Press ⏏.

Note on 8 cm (3-inch) CD
You can play an 8 cm (3-inch) CD without an adaptor.

Important
Since the CD system offers a wide dynamic range, the peaks of the high level inputs are recorded with high fidelity, and the noise level is very low. Do not turn up the volume while listening to a portion with no audio signals or very low level inputs. If you do, the speakers may be damaged when a peak level portion is played.

Time Display in the Window

Example: A disc containing 10 selections



Locating a Particular Selection

(Automatic Music Sensor)

You can locate the beginning of a desired selection during play.

To locate the beginning of the selection being played	Press ⏮ once.
To locate the beginning of the next selection	Press ⏭ once.

Keep it pressed to locate previous selections or selections ahead.

Locating a Particular Point in a Selection

(Manual Search)

You can locate a particular point in a selection during play by monitoring the high-speed sound.

To go back at high speed	Keep ◀◀ pressed.
To go ahead at high speed	Keep ▶▶ pressed.

Keeping the ▶▶ button pressed
The time counter displays "--" when you have passed the end of the disc. To return to a normal display, press ⏮ or ◀◀ button.

Enjoying the Variety of CD Playing Modes

Playing Repeatedly -Repeat Play

You can repeat a single selection
To cancel
Press REP again.

Playing in Random Order -Shuffle Play

You can play the selections in random order.
To cancel
Press SHUF again.

Playing the first portions of selections

You can play the first portions of each selection in order.
If you find a desired selection, press INTRO to cancel the mode. The play continues.

After playing the last selection in the INTRO mode
The mode is canceled and the unit starts normal playback from the first selection of the disc.

Switching the Color of Illumination

You have a choice of two colors for the illumination — amber and green.

The illumination is factory-preset to amber.

Press the ILL button.
Each time you press it, the illumination color will be changed between green and amber. You can specify the different colors, one to be used while playing and the other when not playing.

Caution
If your car has no accessory position, be sure not to set the illumination turning on when not playing. If you set so, the illumination is not turned off even when you set the ignition key to the off position. This will cause the battery to run down.

To turn off the illumination when not playing

Press the reset button while pressing the INTRO button. The illumination is turned off. To turn on the illumination again, press the reset button while pressing the ⏏ and ▶II buttons, and then release the reset button first.

Specifications

General

Power requirements	12 V DC car battery (negative ground)
Current drain	800 mA (CD playback) 2 A (during disc loading or eject)
Output	Line output connector
Operating temperature	– 10°C-50°C (15°F-120°F)
Dimensions	Approx. 178 × 50 × 149 mm (w/h/d) ($7\frac{1}{8} \times 2 \times 5\frac{7}{8}$ in.)
Weight	Approx. 1.4 kg (3 lb. 1 oz.)
Supplied accessories	Mounting hardware (1 set)
Optional accessories	Connecting cord RK-C73 Cleaning cloth XP-CD1

CD player section

System	Compact disc digital audio system
Frequency response	10-20,000 Hz
Harmonic distortion	0.015% (1 kHz)
Signal to noise ratio	90 dB
Wow and flutter	Below measurable limit
Laser Diode Properties	
Material	GaAlAs
Wavelength	780 nm
Emission Duration	Continuous
Laser output power	Less than 44.6 μW*

*This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block.

Design and specifications subject to change without notice.

Maintenance

Fuse Replacement

If the fuse blows, check the power connection and replace the fuse. If the fuse blows again after replacement, there may be an internal malfunction. In this case, consult your nearest Sony dealer.

Warning

Use the specified fuse only.
Use of a higher amperage fuse may cause serious damage.

Troubleshooting Guide

The following checks will assist in the correction of most problems which you may encounter with your unit.
Before going through the check list below, first refer back to the connection and operating procedures.

Trouble	Cause/Remedy
Play does not begin.	• The unit is in the pause mode → Press ▶II. • Dusty or defective disc. • The ambient temperature is more than 50°C (120°F)
Disc cannot be loaded or the disc is automatically ejected.	• A disc is already loaded. • The disc is inserted with the label surface downwards.
The operation buttons do not work.	• The built-in microprocessor malfunctions. → Press the reset button. If this does not work, press the reset button while keeping ⏏ and ▶II pressed, and release the reset button first.
The sound skips due to vibration	• The unit is installed at an angle of more than 20°. • The unit is not installed on the sturdy part of car. • Dusty or defective disc.